

1. DATE - TIME GROUP	2. LOCATION
11 Feb 53 12/0430Z	Great Falls AFB, Montana
3. SOURCE	10. CONCLUSION
Airman	AIRCRAFT
4. NUMBER OF OBJECTS	No data presented conflicting with a/c evaluation.
One	
5. LENGTH OF OBSERVATION	11. BRIEF SUMMARY AND ANALYSIS
5 Min.	Bright white star-like light appeared in the N, turned to E to S to SE and disappeared to SE at high rate of speed.
6. TYPE OF OBSERVATION	
Ground-Visual	
7. COURSE	
SE	
8. PHOTOS	
<input type="checkbox"/> Yes	
<input checked="" type="checkbox"/> No	
9. PHYSICAL EVIDENCE	
<input type="checkbox"/> Yes	
<input checked="" type="checkbox"/> No	

FORM  
FTD SEP 63 0-329 (TDE) Previous editions of this form may be used.

UNCLASSIFIED

8. HAVE YOU HEARD OF ANYONE NOT AT THE RADAR STATION MAKING A VISUAL SIGHTING AT APPROXIMATELY THE SAME TIME THE RADAR CONTACT WAS MADE?  YES  NO  
IF SO, GIVE NAME AND ADDRESS.

9. RADAR SCOPE PHOTOS:

IS RADAR EQUIPPED WITH A SCOPE CAMERA? -----  YES  NO  
WAS CAMERA OPERATIONAL? -----  YES  NO  
WERE SCOPE PHOTOS TAKEN? -----  YES  NO  
WERE PRINTS OF THE SCOPE PHOTOS FORWARDED TO THE AIR TECHNICAL INTELLIGENCE CENTER? -----  YES  NO

10. TRACK DATA:

WHAT WAS THE NUMBER OF THE TRACK? BARBER said disregard giving it a track No.  
WAS A PERMANENT PLOT MADE OF THE TRACK AT THE TIME OF THE OBSERVATION?  YES  NO

11. WERE AIRCRAFT SCRAMBLED TO INTERCEPT THE TARGET?

IF SO, WERE THE AIRCRAFT BEING OBSERVED ON THE SCOPE AT THE SAME TIME AS THE TARGET?  YES  NO

12. WERE ANY NEARBY RADAR INSTALLATIONS QUERIED WHETHER THEY HAD OBSERVED THE SAME TARGET OR TRACK?

IF SO, WHICH STATIONS? \_\_\_\_\_  
Rashbrook and Calahad

13. WAS THE TARGET OBSERVED ON SEARCH RADAR?

IF SO, WHAT IS THE NOMENCLATURE OF THE EQUIPMENT? \_\_\_\_\_  
AN/FPS-3

14. WAS THE TARGET OBSERVED ON HEIGHT FINDING RADAR?

IF SO, WHAT IS THE NOMENCLATURE OF THE EQUIPMENT? \_\_\_\_\_

15. HAVE THERE BEEN ANY RECENT MAINTENANCE DIFFICULTIES?

IF SO, DESCRIBE. \_\_\_\_\_

16. WHAT TYPE MODULATOR (I.E., SPARK GAP, HARD TUBE, ETC.) IS USED IN THE RADAR EQUIPMENT?

HARD TUBE (Tytatron)

17. WAS THE AFC(AUTOMATIC FREQUENCY CONTROL) CIRCUIT OPERATING PROPERLY?

COMMENTS: \_\_\_\_\_

18. HAS INTERFERENCE FROM ANOTHER RADAR SET BEEN OBSERVED RECENTLY?

COMMENTS: \_\_\_\_\_

UNCLASSIFIED

UNCLASSIFIED

19. ARE PERSONNEL FAMILIAR WITH THE EFFECTS CAUSED BY AN INTERFERING SIGNAL?  YES  NO  
COMMENTS: \_\_\_\_\_

20. ARE PERSONNEL FAMILIAR WITH THE EFFECTS OF ANOMALOUS PROPAGATION (DUCTING EFFECTS) AS THEY PERTAIN TO THIS TYPE OF RADAR?  YES  NO

21. HAS ANOMALOUS PROPAGATION (DUCTING EFFECT) BEEN OBSERVED TO EXTEND THE RANGE OF THE GROUND CLUTTER OF THIS RADAR AT THIS SITE?  YES  NO  
COMMENTS: \_\_\_\_\_

22. WAS ANOMALOUS PROPAGATION (DUCTING EFFECT) EXTENDING THE RANGE OF THE GROUND CLUTTER AT THE TIME THE TARGET WAS OBSERVED?  YES  NO  
COMMENTS: \_\_\_\_\_

23. HOW DID THE TARGET APPEAR IN SIZE AND SHAPE AS COMPARED TO CONVENTIONAL AIRCRAFT TARGETS?

The Same (Approximately)

24. PERFORMANCE OF TARGET:

a. REMAINED CONSISTENT IN SIZE	<input type="checkbox"/>	CHANGED SIZE RAPIDLY	<input type="checkbox"/>
b. SPEED WAS CONSTANT	<input type="checkbox"/>	SPEED WAS VARIABLE	<input type="checkbox"/>
c. FOLLOWED CONSISTENT TRACK	<input type="checkbox"/>	APPEARED, DISAPPEARED, THEN REAPPEARED IN NEW LOCATION	<input type="checkbox"/>
d. FUZZY COMPARED TO AIRCRAFT TARGET	<input type="checkbox"/>	SHARP COMPARED TO KNOWN AIRCRAFT TARGET	<input type="checkbox"/>
e. SAME AS AIRCRAFT TARGET	<input checked="" type="checkbox"/>		

25. WERE OTHER TARGETS (KNOWN) OBSERVED IN THE SAME GENERAL AREA, AT APPROXIMATELY THE SAME TIME AND AT THE SAME ALTITUDE AS THE UNUSUAL TARGET?  YES  NO

IF SO, DESCRIBE.

26. WHAT TYPE INDICATORS ("A" SCOPE, "B" SCOPE, ETC.) WERE USED TO FOLLOW THE TARGET?

Just a PPI Scope

DESCRIBE THE SIGNAL:

27. WHAT WAS THE RADAR SCAN RATE? 3.3 RPM

28. WHAT WAS THE FREQUENCY OF THE TRANSMITTER?

1276 mc

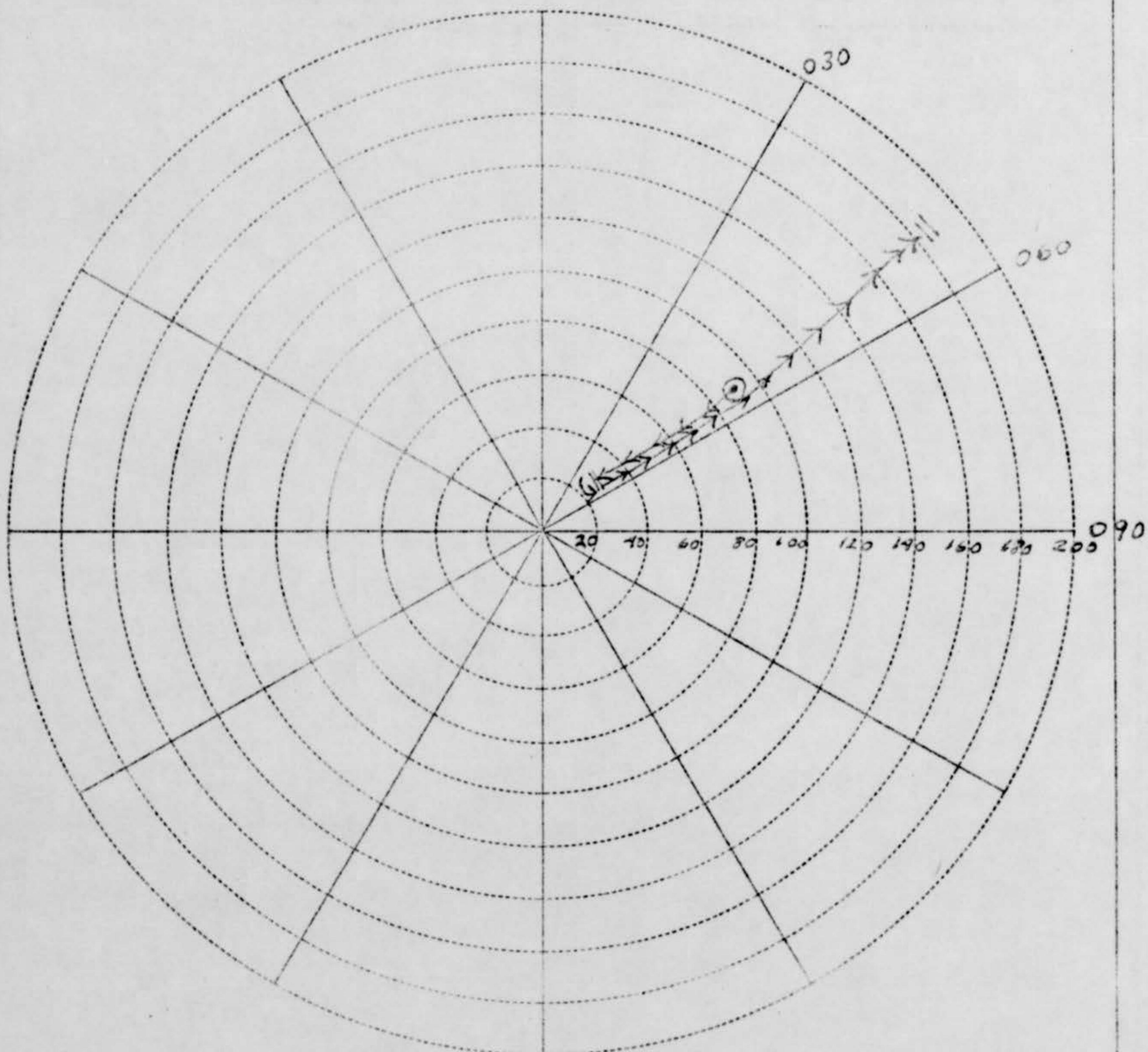
29. DID ANY OF THE OBSERVERS HAVE ANY OPINIONS AS TO THE NATURE OF THE TARGET?  YES  NO  
IF YES, GIVE THEIR NAMES AND OPINIONS BELOW.

SSG Wilson believed that it was a Flying Saucer due to 24 (x,y,z + g)

UNCLASSIFIED

UNCLASSIFIED

30. IF SCOPE PHOTOS ARE NOT AVAILABLE, PLOT THE TARGET TRACK AS ACCURATELY AS POSSIBLE. GIVE THE TIME AND ALTITUDE (IF MEASURED) FOR EACH POINT PLOTTED. PUT THE NECESSARY RANGE SCALE ON THE DIAGRAM.



UNCLASSIFIED

UNCLASSIFIED

31. USE THIS SHEET FOR ANY COMMENTS, OPINIONS OR ADDITIONAL DATA NOT COVERED BY THE QUESTIONS.

~~XXXXXXXXXXXXXXXXXXXXXX~~

The track was Plotted to 30 mi of the station where it faded. In about five min. we picked it up again and carried the track out to 190 mi. After the track had faded for the last time we started picking up Interference in the form of Running Rabbits for the rest of the night.

UNCLASSIFIED

*File in regular file*

THE OHIO STATE UNIVERSITY

HOWARD L. BEVIS, President

COLUMBUS 10

EMERSON McMILLIN OBSERVATORY

April 9, 1953

1st Lieutenant Poh. Olsson  
Wright-Patterson Air Force Base  
Dayton, Ohio

Dear First Lieutenant:

Thank you for your letter and comments. I too think that we are getting somewhere. This system of weekly reporting and comments--AND FOLLOW UP---gives continuity. With your aid I should like to make a collection of the truly unknown cases with their follow ups so that a true scientific evaluation can someday be made. Heretofore there has been so much frustration. Without a follow up on critical points the best cases had little scientific value. I want to get to the bottom of the natural phenomena behind all this. if this is possible.

We should in time be able to set up some experiments to demonstrate these phenomena, and this will be the real proof of the pudding. This can come only by selecting proper cases and letting the majority of them go by the boards.

I hope that you will continue with this work and that we can have occasional meetings.

Well, here goes on this batch of 16 March. Of the 12 cases in this batch, 4 were without question Venus, and a 5th might have been. Two have insufficient data and 2 ~~xxx~~ referring to the same incident seem to be worth definite follow up.

Just for the record, the Venus cases were March 6 (Leeds Center), 8, 10 and 11. Those of 6 Erie Penn. and 7 March seem most probable to have been some unknown light aircraft.

Now to those that are of some interest, the most important is 5 March, at Shaw AFB. Has the detailed report come yet? I should like very much to see this. I particularly wonder how the object could have speed 200 mph and still have been observed 1 hour. Very important here to establish identicalness of visual and radar sightings. Is the sightings of the same date reported thru Shaw AFB, but seen at Congaree AFB a few hours later refer to the same thing?

With reference to the Great Falls, Mont 27 Feb sighting, I ask: "What previous reports?" And finally,

on 3 March, Luke AFB, was the 30 feet of gun camera film ever developed?

Question: Is it permissible to keep the typed copies of the TX reports?

TO DIRECTORATE OF COMINT OR AND COMINT 1221 TO WING C. 1953  
REFUGEE IN THE NEARBY TOWNSHIP. THIS AREA IS HIGHLY SUSPECTED AS A CONSPIRACY

9

ACTION

MD033  
WPC036

YDC037

XYB047

XXA007

XMA035

XXB020

CXD038

JWPGU 05

RR JEDWP JEPHQ JEDEN JWPML 444

Muttip 6

✓ 1953 FEB 13 1953 FEB 13 02 00 1953  
INFO 08:45  
DISPATCHED

101a  
date  
3 C files

UNCLASSIFIED

12/6/53

R 122337Z

FM CG 29TH AIRDIVDEF GREAT FALLS AFB MONT  
TO JEDWP/AIR TECH INTEL CEN WRIGHT PATTISON AFB OHIO  
JEPHQ/DIR INTEL HQ USAF WASHINGTON D C  
JEDEN/CG ADC ENT

FB COLORADO SPRINGS COLO **UNCLASSIFIED**  
JWPML/CG WADP HAMILTON AFB CALIF  
ATTN: ATIAA-2C

[REDACTED] GF DOD 1120. FLYO/SRPT. ITEM ONE. ONE OBJECT,  
BRIGHT WHITE LIGHT LIKE STAR APPEARED IN NORTH TURNED TO EAST TO SOUTH  
TO SOUTH EAST AND DISAPPEARING TO SOUTH EAST. APPEARED TO BE TRAVELING  
VERY FAST. ITEM TWO. 0432Z 12 FEB. FOR APPROXIMATELY 5 MINUTES. ITEM  
THREE. VISUAL WITHOUT AIDS. ITEM FOUR. 29TH AIR DIV (DEF) BLOCKHOUSE  
GATE HOUSE. ITEM FIVE. OBSERVER WAS A/3C DONALD MONICO, THIS HEADQUARTERS,  
GREAT FALLS AFB, MONTANA. RELIABLE BUT VERY LITTLE TRAINING ON AIRCRAFT  
IDENTIFICATION. WITNESS, LT WAYNE M. FONNESBECK, THIS HEADQUARTERS.  
RELIABLE, INTERCEPTOR TRAINING. ITEM SIX. 5,000 BRKN 20,000 SCTD VISIBILITY  
50 MILES TEMPERATURE 29 DEW POINT 25 WIND SOUTH WEST 10 KNOTS. ITEM

710731

PAGE TWO JWPGL 06

DOWNGRADED AT 3 YEAR INTERVALS;  
DECLASSIFIED AFTER 12 YEARS.  
DOD DIR 5200.10

SEVEN THRU NINE NEGATIVE. ITEM TEN. ONLY AIRCRAFT IN AREA ESTIMATED TO  
ARRIVE IN GREAT FALLS AT 2350<sup>+</sup> (FLIGHT PLAN) AIR FORCE 5499, C 54,  
MARCH AFB.

17/2356Z FEB JWPGL

**UNCLASSIFIED**

CY

1. DATE - TIME GROUP 27 Feb 53 27/1016Z	2. LOCATION Great Falls AFB, Montana
3. SOURCE Radar Operator	10. CONCLUSION INSUFFICIENT DATA FOR EVALUATION
4. NUMBER OF OBJECTS One	
5. LENGTH OF OBSERVATION 11 Min.	11. BRIEF SUMMARY AND ANALYSIS Object appeared on radar scope of a/c as fading and reappearing for a period of 11 minutes.
6. TYPE OF OBSERVATION Ground-Radar	
7. COURSE	
8. PHOTOS <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
9. PHYSICAL EVIDENCE <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

FORM  
FTD SEP 63 0-329 (TDE) Previous editions of this form may be used.

-2 MAR 1953

29 FEB 53 00 29Z

OPTION

1. Atta  
2. Atta  
3. C. files

UNCLASSIFIED

WPE624

U VDA202

CBA201

YMB207

JEDKF 105

OPOP JEDEN JEPHQ JEDWP 333

DE JEDKF 27A

OP 231826Z ZNJ

FM HQ CADF KC MO

TO JEPHQ/DI HQ USAF WASH DC

JEDWP/ATIC WRIGHT PATT AFB DAYTON OHIO

JEDEN/CG ADC ENT AFB COLO SPRG COLO

[REDACTED] INT 0176 ATTN ATIAA-2C PD FOL MSG REC FR 29TH AD  
IS QUOTED FYI SMCLN "FLYOBRPT". THE FOL MSG REC THIS HQ FR 29TH AD  
AT 2341243Z FEB IS FORWARDED FOR YOUR INFO SMCLN QUOTE. 29TH TAC  
B-216 A/1C HERSCHER WAS THE RADAR OPER ON DY AT P-26 WHEN SMCLN  
THE FLYING OBJECT WAS CALLED IN TO BARBER. LT. MORISSETTER BARBER  
CONTROLLER CHECKED WITH P-25 CMA P-26 CMA P-27 CMA P-28 CMA TO SEE  
IF THERE MIGHT BE INTERFERENCE BETWEEN TWO OR MORE SITES CMA DUE TO  
THEM BEING ON THE SAME FREQUENCY. THIS POSSIBILITY WAS ELIMINATED  
AS NONE OF THEM WERE USING THE SAME FREQUENCY. THE WEATHER AT P-26  
AT 1030Z WAS 5200 FT SCATTERED CMA 1200 FT SCATTERED CMA VISIBILITY.

UNCLASSIFIED

UNCLASSIFIED

PAGE TWO JEDKF 27A

WAS 15 MI PLUS. TEMPERATURE WAS 3<sup>1</sup> DEG. WIND WAS NNE 8 TO 13 KNOTS.

THE FOLLOWING ARE THE GRID COORDINATES FR BEGINNING TO THE LAST MOVE

GRID	NO OF A/C	ID	ALT.	SPEED	TIME
DD-4848	1	A.F.	30	120	1016Z
AD-3050	1	A.F.	30	120	1021Z
QD-4850	1	A.F.	30	120	1024Z FADE
PD-2830	1	A.F.	30	120	1026Z REAPPEARED
PD-2830	1	A.F.	30	120	1028Z FADE
AD-1052	1	A.F.	30	120	1041Z REAPPEARED
AD-5052	1	A.F.	30	120	1044Z
BD-1147	1	A.F.	30	120	1045Z
BD-3047	1	A.F.	30	120	1045:30Z
BD-4047	1	A.F.	30	120	1045:45Z
CDT-1548	1	A.F.	30	120	1046Z
CD-3048	1	A.F.	30	120	1046:30Z
DD-1042	1	A.F.	30	120	1047Z FADE

28/1030Z FEB JEDKF

Can't read the Snd system - if so transmission possible



UNCLASSIFIED

ay 1

## COORDINATION

**INSERT  
ORGNL CODE AND  
FULL SIGNATURE**

ATLAE-5/RMO/vs

In reply refer to  
AMERICAN-ATLANTIC-5

UNCLASSIFIED

10 MAR 1953

SUBJECT: (Unel) Radar Sighting of Unknown Aerial Object

TO: Commanding General  
29th Air Division  
ATTN: Intelligence Division  
Great Falls Air Force Base  
Great Falls, Montana

1. Reference the sighting of an unidentified flying object by radar at your station on or about 27 February 1953 witnessed by radar personnel while monitoring local air traffic. In an attempt to uncover a logical explanation for such observations, the Air Technical Intelligence Center has developed a questionnaire for sightings made by ground radar which, when accurately completed by the radar technicians involved, affords ATIC radar specialists with an adequate picture of the circumstances surrounding the contact.

**FOR THE COMMANDING GENERAL**

1. Inc1  
Electronics Data Sheet

ROBERT C. BROWN  
Major, USAF  
Air Adj. Gen.

U. A. C.  
M. K.

UNCLASSIFIED

DESIGNATE AUTH'D OFFICE OR RECORD

OFFICIAL GUIDEBOOK

*2 W/ 152*  
[REDACTED] UNCLASSIFIED [REDACTED]

HEADQUARTERS 29TH AIR DIVISION (DEFENSE)  
Great Falls Air Force Base, Montana

CID 380

25 MAR 1953

SUBJECT: (Incl) Radar Sighting of Unknown Aerial Object

TO: Chief, Air Technical Intelligence Center  
ATTN: ATIAA-2c  
Wright Patterson AFB, Ohio

38/1152  
OPTIMA, RANTAN

*ref.*

As requested in your letter AFOM-ATIAE-5, subject as above, dated  
10 March 1953, completed Electronics Data Sheet is forwarded.

FOR THE COMMANDING OFFICER:

*Mary M. Arbanas*

MARY M. ARBANAS  
1st Lt, USAF  
Asst Adjutant General

1 Incl:  
Electronics Data Sheet

[REDACTED] UNCLASSIFIED

285.573-3

753-3805-A

UNCLASSIFIED

ELECTRONICS DATA SHEET  
(GROUND RADAR)

The purpose of this questionnaire is to provide technical data for evaluating the report of an unusual radar target or track. It is requested that it be completed as accurately as possible.

When not filled in, the form is Unclassified. The reporting officer will use his own judgement as to what degree of classification is required.

It is preferred that the answers to the questions be typewritten, however, if it will expedite the completion of the form, the answers may be printed in ink. If additional space is needed, use reverse side of form.

1. STATION OBSERVING TARGET:  Gamefish _____ Organization _____  779th ACW Squadron _____ Location _____ Ocheim, Montana	2. DATE OF THIS REPORT:  20 March 1953 _____ Day Month Year  Local Time <input type="checkbox"/> Z Time <input checked="" type="checkbox"/>																								
3. DATE TARGET OBSERVED:  28 Feb. 1953 Local Time <input type="checkbox"/> Day Month Year Z Time <input checked="" type="checkbox"/>  Time-Local _____ Time-Z 1015 _____	4. NAME, RANK AND ORGANIZATION OF REPORTING OFFICER:  _____ _____ _____																								
5. EXACT LOCATION OF STATION (COORDINATES):  46° 52' N 106° 31' W (PD-2755)																									
6. OBSERVER DATA (LIST EACH OBSERVER):  <table><thead><tr><th>Name</th><th>Rank</th><th>Duty</th><th>No. of Years Exp. in Radar</th></tr></thead><tbody><tr><td>A. HERSHER, EARL W.</td><td>A/1C</td><td>27350</td><td>2 1/2</td></tr><tr><td>B. Weeks, James F.</td><td>S/Sgt</td><td>27350</td><td>4</td></tr><tr><td>C. _____</td><td>_____</td><td>_____</td><td>_____</td></tr><tr><td>D. _____</td><td>_____</td><td>_____</td><td>_____</td></tr><tr><td>E. _____</td><td>_____</td><td>_____</td><td>_____</td></tr></tbody></table>		Name	Rank	Duty	No. of Years Exp. in Radar	A. HERSHER, EARL W.	A/1C	27350	2 1/2	B. Weeks, James F.	S/Sgt	27350	4	C. _____	_____	_____	_____	D. _____	_____	_____	_____	E. _____	_____	_____	_____
Name	Rank	Duty	No. of Years Exp. in Radar																						
A. HERSHER, EARL W.	A/1C	27350	2 1/2																						
B. Weeks, James F.	S/Sgt	27350	4																						
C. _____	_____	_____	_____																						
D. _____	_____	_____	_____																						
E. _____	_____	_____	_____																						

7. WAS A VISUAL SIGHTING MADE BY ANY PERSONNEL OF THE STATION?  YES  NO  
IF SO, GIVE NAME AND RANK OF ALL PERSONNEL MAKING A VISUAL SIGHTING AND A BRIEF DESCRIPTION OF  
WHAT THEY SAW:

119-53-114

UNCLASSIFIED